

SYSTEM AND METHOD FOR MONITORING AUTONOMIC BALANCE AND PHYSICAL ACTIVITY

Abstract

5 An implantable device monitors the balance between sympathetic tone and
parasympathetic tone as a function of an activity level. Cardio-neurological healthy
users exhibit a generally sympathetic tone in conjunction with heavy activity level and a
generally parasympathetic tone in conjunction with periods of low activity level.
Deviations from expected results are associated with a health problem. Measured
10 conditions are stored and available for subsequent reporting to a remote programmer.
Therapy delivered by an implantable device is determined as a function of the
relationship between autonomic balance and activity level.

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